

Amendment and Response

Applicant: Daniel R. Marshall

Serial No.: 09/759,867

Filed: January 12, 2001

Docket No.: 10002307-1

Title: PORTABLE INFORMATION STORAGE MODULE FOR INFORMATION SHOPPING

IN THE CLAIMS

Please amend claims 1-5, 9-15, 17, 18, 23, 24, and 26-29 and add newly presented claims 30-37 as follows:

1.(Currently Amended) A method of handling information comprising:
storing electronically readable information including audio and visual media into a portable storage module including an atomic resolution storage memory component; and recalling selectively a portion of the electronically readable information from the atomic resolution storage memory component of the portable storage module into an information playback device for consumption by a user.

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2.(Currently Amended) The method of claim 1, wherein the storing step further includes transferring the electronically readable information from an external information source into the atomic resolution storage memory component of the portable storage module.

3.(Currently Amended) The method of claim 2, and wherein the transferring step further comprising:
selecting at least one of a stationary entertainment library and an internet website as the external information source.

4.(Currently Amended) The method of claim 2, wherein the storing step further comprises:
providing multiple types of entertainment media as the electronically readable information;
storing the entertainment media into the external information source; and providing the electronically readable information for user-initiated wireless transfer from the external information source to the portable storage module.

5.(Currently Amended) The method of claim 1, and further comprising:

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repeating the storing step to capture additional electronically readable information into the atomic resolution storage memory component of the storage module.

6.(Original) The method of claim 1 wherein the recalling step further comprises the information playback device including a notebook computer.

7.(Original) The method of claim 1, wherein the recalling step further comprises the information playback device comprising an audio player.

8.(Original) The method of claim 1, wherein the electronically readable information is at least one of a book, a music collection, and a movie.

9.(Currently Amended) The method of claim 1, and further comprising:

containing the portable storage module within a housing and wearing the housed portable storage module on or about a body of a user.

10.(Currently Amended) The method of claim 9, wherein the containing step further comprises:

arranging the portable storage module within at least one of a wristwatch, a neck worn pendant, a bracelet, a cellular phone, a pair of eyeglasses, an image display, a notebook computer, and an audio headset.

11.(Currently Amended) The method of claim 1, wherein, the storage storing step further comprises:

providing the storage module with a communication interface, and a power supply.

12.(Currently Amended) The method of claim 11, wherein the providing step further comprises:

providing the communication interface with a wireless communication path including infrared or radiofrequency radio frequency paths.

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13.(Currently Amended) The method of claim 11, wherein the atomic resolution storage memory component further includes a controller for operating the ~~storage device~~ portable storage module and communicating between the memory component and the communication interface.

14.(Currently Amended) The method of claim 1, and further comprising:
performing the storing step and the recalling step in a broadband frequency format.

15.(Currently Amended) A portable entertainment media storage module comprising:
a storage device including an atomic resolution storage memory component capable of storing at least one entertainment media packet which includes audio and visual media;
and
a communication interface for communicating to and from the atomic resolution storage memory component of the storage module.

16.(Original) The module of claim 15, wherein the communication interface includes wireless communication technology.

17.(Currently Amended) The module of claim 16, wherein the wireless communication technology includes at least one of a radio frequency communicator and an infrared bandwidth communicator.

18.(Currently Amended) The module of claim 15, and further comprising at least one of a microphone, a speaker, an input keypad, and a display for communicating with the atomic resolution storage memory component of the storage device via the communication interface.

19.(Original) The module of claim 15, wherein the storage device further includes a logic controller.

20.(Original) The module of claim 15, wherein the entertainment packet includes at least one audio element.

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21.(Original) The module of claim 20, wherein the audio element is a music CD.

22.(Original) The module of claim 15, wherein the entertainment packet includes at least one printed media.

23.(Currently Amended) The module of claim 15, and further comprising a controller located on the atomic resolution storage memory component~~device~~.

24.(Currently Amended) The module of claim 15, wherein the atomic resolution storage ~~device~~memory component further comprises:

a field emitter fabricated by semiconductor microfabrication techniques capable of generating an electron beam current; and

a storage medium in proximity to the field emitter and having a storage area in one of a plurality of states to represent the information stored in the storage area.

25.(Original) The module of claim 24, wherein an effect is generated when the electron beam current bombards the storage area, wherein the magnitude of the effect depends upon the state of the storage area, and wherein the information stored in a storage area is read by measuring the magnitude of the effect.

26.(Currently Amended) The module of claim 24, and further comprising:

a plurality of storage areas on the storage medium, with each storage area being similar to the one recited in claim 24, and

a microfabricated mover in the storage device to position different storage areas to be bombarded by the electron beam current.

27.(Currently Amended) The module of claim 26, and further comprising:

a plurality of field emitters, with each emitter being similar to the one recited in claim 24, the plurality of field emitters being spaced apart, with each emitter being responsible for a number of storage areas on the storage medium; and

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such that a plurality of the field emitters can work in parallel to increase the data rate of the storage device.

28.(Currently Amended) The module of claim 15, and further comprising:
a housing which encloses the ~~ultra high capacity~~ storage device and the communication interface.

29.(Currently Amended) An information transfer and consumption system comprising:
a portable entertainment media storage module comprising:

an atomic resolution storage device capable of storing at least one entertainment media packet which includes audio and visual media; and

a communication interface for communicating to and from the atomic resolution storage device;

an information library of multiples types of entertainment media stored as electronically readable information including:

a master memory module for storing a collection of entertainment media; and

a communication interface for selectively transferring a copy of a selection of the entertainment media collection from the information library to the atomic resolution storage device of the portable entertainment media storage module; and

an entertainment media playback device for retrieving the entertainment media from the atomic resolution storage device of the module and for making the entertainment media available in a consumable format.

30.(New) A method of distributing books in electronically readable format, comprising:

providing an entertainment library being located in a public venue and having a selection of books in electronically readable format;

providing a portable storage module with a display;

selecting at least one book from the entertainment library with the portable storage module;

downloading the selected book in electronically readable format from the entertainment library to the portable storage module; and

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displaying at least a portion of the selected book on the display.

31.(New) The method of claim 30, and further comprising the step of wearing the portable storage module about a body of a user.

32.(New) The method of claim 31, wherein the portable storage module is selected from the group consisting of eyeglasses, wristwatches, and neck pendants.

33.(New) The method of claim 30, wherein the portable storage module comprises a cellular phone.

34.(New) A method of distributing movies in electronic format, comprising:
providing an entertainment library being located in a public venue and having a selection of movies in electronic format;
providing a portable storage module with a display;
selecting at least one movie from the entertainment library;
downloading the selected movie in electronic format from the entertainment library to the portable storage module; and
displaying at least a portion of the selected movie on the display.

35.(New) The method of claim 30, and further comprising the step of wearing the portable storage module about a body of a user.

36.(New) The method of claim 31, wherein the portable storage module is selected from the group consisting of eyeglasses, wristwatches, and neck pendants.

37.(New) The method of claim 30, wherein the portable storage module comprises a cellular pone.
